

Appl. No. 10/803067
Reply to Office action of 10/31/2005
Page 3

IN THE CLAIMS

Amendments To The Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A reed valve comprising:
a plate-shaped support substrate with a valve hole formed in a central section, the valve hole passing through the support substrate in a plate thickness direction; and
a flexible plate-shaped reed covering the valve hole at one surface of the support substrate and having one end in a longitudinal direction that is fixed to the support substrate,
wherein the support substrate has a rib extending along a center line in a longitudinal direction of the inside of the valve hole to divide the valve hole into two spaces, and
a surface of the rib opposite to the reed is positioned on substantially the same plane as a surface of the support substrate ~~to which the~~ so that the reed contacts the rib or is adjacent to the rib
~~is attached and is adjacent to the reed, and~~
wherein the rib projects beyond a surface of the support substrate opposite the one surface.
2. (Original) The reed valve of claim 1, wherein the rib has a grooved section formed in a surface opposite to the reed and penetrating in a width direction of the rib, and the grooved section passes through a space inside the valve hole divided by the rib.
3. (Original) The reed valve of claim 2, wherein the grooved section is formed at a part of the rib that is closer to an end that is opposite to an end to which the reed is fixed.
4. (Currently amended) The reed valve of ~~any one of~~ claim 1, wherein a surface of the rib opposite to a surface facing the reed is formed having a V-shaped cross section projecting outwards.

Appl. No. 10/803067
Reply to Office action of 10/31/2005
Page 4

5. (Currently amended) The reed valve of ~~any one of~~ claim 1, wherein the reed valve is attached inside a secondary air supply passage for supplying secondary air from an intake unit of an internal combustion engine to an exhaust port, with a surface to which the reed is attached facing towards the exhaust port side, and the reed valve is configured so that exhaust gas inside the exhaust port does not flow back to the intake device through the secondary air supply passage.

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Currently amended) A reed valve comprising:

a support means with a valve hole formed in a central section, the valve hole passing through the support means substrate in a plate thickness direction; and

a flexible reed means covering the valve hole at one surface of the support means substrate and having one end in a longitudinal direction that is fixed to the support means substrate,

wherein the support means has a rib extending along a center line in a longitudinal direction of the inside of the valve hole to divide the valve hole into two spaces, and

a surface of the rib opposite to the reed is positioned on substantially the same plane as a surface of the support substrate ~~to which the~~ so that the reed contacts the rib or is adjacent to the rib ~~is attached and is adjacent to the reed, and~~

the rib projects beyond a surface of the support means opposite the one surface.

10. (New) A reed valve comprising:

a plate-shaped support substrate with a valve hole formed in a central section, the valve hole passing through the support substrate in a plate thickness direction; and

a flexible plate-shaped reed covering the valve hole at one surface of the support substrate and having one end in a longitudinal direction that is fixed to the support substrate,

wherein the support substrate has a rib extending along a center line in a longitudinal direction of the inside of the valve hole to divide the valve hole into two spaces,

Appl. No. 10/803067
Reply to Office action of 10/31/2005
Page 5

a surface of the rib opposite to the reed is positioned on substantially the same plane as a surface of the support substrate to which the rib is attached and is adjacent to the reed, and wherein the rib has a grooved section formed in a surface opposite to the reed and penetrating in a width direction of the rib, and the grooved section passes through a space inside the valve hole divided by the rib.

11. (New) The reed valve of claim 10, wherein the grooved section is formed at a part of the rib that is closer to an end that is opposite to an end to which the reed is fixed.